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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	78
09/511,292	02/23/00	NAGASHIMA		J	H-204325	_
_			コ		EXAMINER	
QM02/0815 ANTHONY LUKE SIMON GENERAL MOTORS CORPORATION				ATKINS ART UNIT	\exists_2	
LEGAL STAFF P O BOX 331 DETROIT MI	14			3743 DATE MAILED	: 08/15/00	

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

	Application No.	Applicant(s)	1 .		
	09/51,292	Nagash	Group Art Unit		
Office Action Summary	Examiner				
	10-thinson		3743		
—The MAILING DATE of this communication appe	ars on the cover sheet b	eneath the con	respondence add	iress—	
Period for Reply	TO EXPIRE 3	MONTH(S)	FROM THE MAILI	NG DATE	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET OF THIS COMMUNICATION.		a rank ha t	imely filed after SIX (6) MONTHS	
 Extensions of time may be available under the provisions of 37 CFF from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a If NO period for reply is specified above, such period shall, by defail a failure to reply within the set or extended period for reply will, by st 	reply within the statutory mini	mum of thirty (30) o	of this communicatio	n .	
Status					
☐ Responsive to communication(s) filed on				·	
				sed in	
 This action is FINAL. Since this application is in condition for allowance exceeds accordance with the practice under Ex parte Quayle, 1 	ept for formal matters, pro 935 C.D. 1 1; 453 O.G. 2	13.	the mento is sion		
Disposition of Claims Claim(s)		is/are	pending in the app	lication.	
Of the above claim(s)	is/are	is/are withdrawn from consideration.			
Of the above claim(s)	is/are	is/are allowed.			
Of the above claim(s) ☐ Claim(s) ☐ Claim(s)	is/are	is/are rejected.			
Claim(s)		ie/ara	objected to.		
☐ Claim(s)————————————————————————————————————		5/4/0	bioct to restriction	or election	
☐ Claim(s)————————————————————————————————————		are sc requir	ement.		
Application Papers					
	wing Review, PTO-948.				
The proposed drawing correction, filed on	IS Lappiove	ed 🗌 disapprove	ed.		
☐ The drawing(s) filed on is/are o	bjected to by the Examino	er.			
The specification is objected to by the Examiner.					
☐ The oath or declaration is objected to by the Examin	er.				
Priority under 35 U.S.C. § 119 (a)-(d)					
 □ Acknowledgment is made of a claim for foreign prior □ All □ Some* □ None of the CERTIFIED copie 	ity under 35 U.S.C. § 11 § es of the priority documen	e(a)-(d). ts have been			
1					
☐ received. ☐ received in Application No. (Series Code/Serial No. (Series Cod	lumber)	CT Rule 1 7.2(a)).		
☐ received in Application No. (Series Code/Serial III) ☐ received in this national stage application from the	ie miemational buleau (i		_		
*Certified copies not received:					
Attachment(s)			mmon/ DTO 419		
☐ Information Disclosure Statement(s), PTO-1449, Pa	per No(s)		mmary, PTO-413	ication PTO-15	
Notice of Reference(s) Cited, PTO-892	☐ IAORICE OF THE	□ Notice of Informal Patent Application, PTO-152			
☐ Notice of Draftsperson's Patent Drawing Review, P	TO-948	☐ Other			
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U. S. Patent and Trademark Office PTO-326 (Rev. 9-97) Part of Paper No.

Application/Control Number: 09/511,292

Art Unit: 3743

Specification

The specification is objected to as failing to provide clear support for the claim terminology. 37 CFR § 1.75(d)(1) requires that terms and phrases used in the claims find clear support or antecedent basis in the description so that the meaning of the terms in the claims may be ascertainable by reference to the description. Specifically, the term heat sinking member does not appear in the specification.

Claim Rejections - 35 USC § 112

Claim 4 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Regarding claim 4, the recitation "the said heat sinking member" is indefinite.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 10 is rejected under 35 U.S.C. § 102(b) as being anticipated by Paterson.

The patent of Paterson in Figures 1-3 discloses applicant's claimed invention.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 3743

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. § 103, the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 C.F.R. § 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of potential 35 U.S.C. § 102(f) or (g) prior art under 35 U.S.C. § 103.

Claim 11 is rejected under 35 U.S.C. § 103 as being unpatentable over Paterson in view of Jackson et al. or Wolgemuth et al. The patent of Paterson discloses all the claimed features of the invention with the exception of a sealing member.

The patents of Jackson et al. or Wolgemuth et al. in Figure 2 and Figure 3 respectively, disclose that it is known to have a sealing member between a power module and a heat sinking member for the purpose of directly contacting the power module with the cooling fluid. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to employ in Paterson a sealing member between a power module and a heat sinking member for the purpose of directly contacting the power module with the cooling fluid as disclosed in Jackson

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et al. or Wolgemuth et al.

Claims 1-9 are rejected under 35 U.S.C. § 103 as being unpatentable over Wolgemuth et al. in view of Kwak. The patent of Wolgemuth et al. in Figures 1-4 discloses all the claimed features of the invention with the exception of spring clips in recesses and indentations.

The patent of Kwak in Figures 2 and 7 discloses that it is known to have C-shaped spring clips in recesses and indentations for the purpose of securing a power module to a heat sinking member. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to employ in Wolgemuth et al. C-shaped spring clips in recesses and indentations for the purpose of securing a power module to a heat sinking member as disclosed in Kwak.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Atkinson whose telephone number is (703) 308-2603.

CHRISTOPHER ATKINSON PRIMARY EXAMINER

August 13, 2000